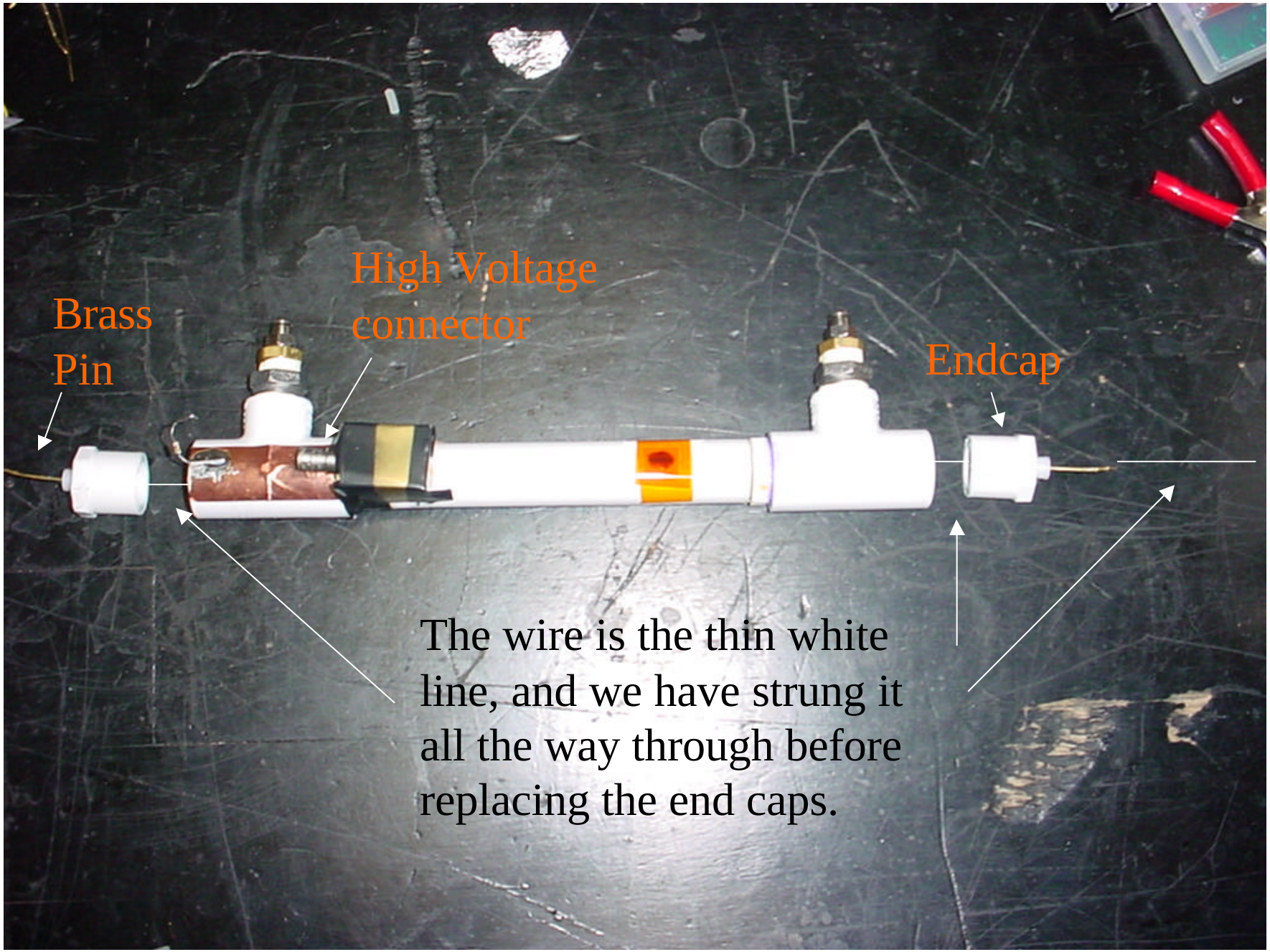
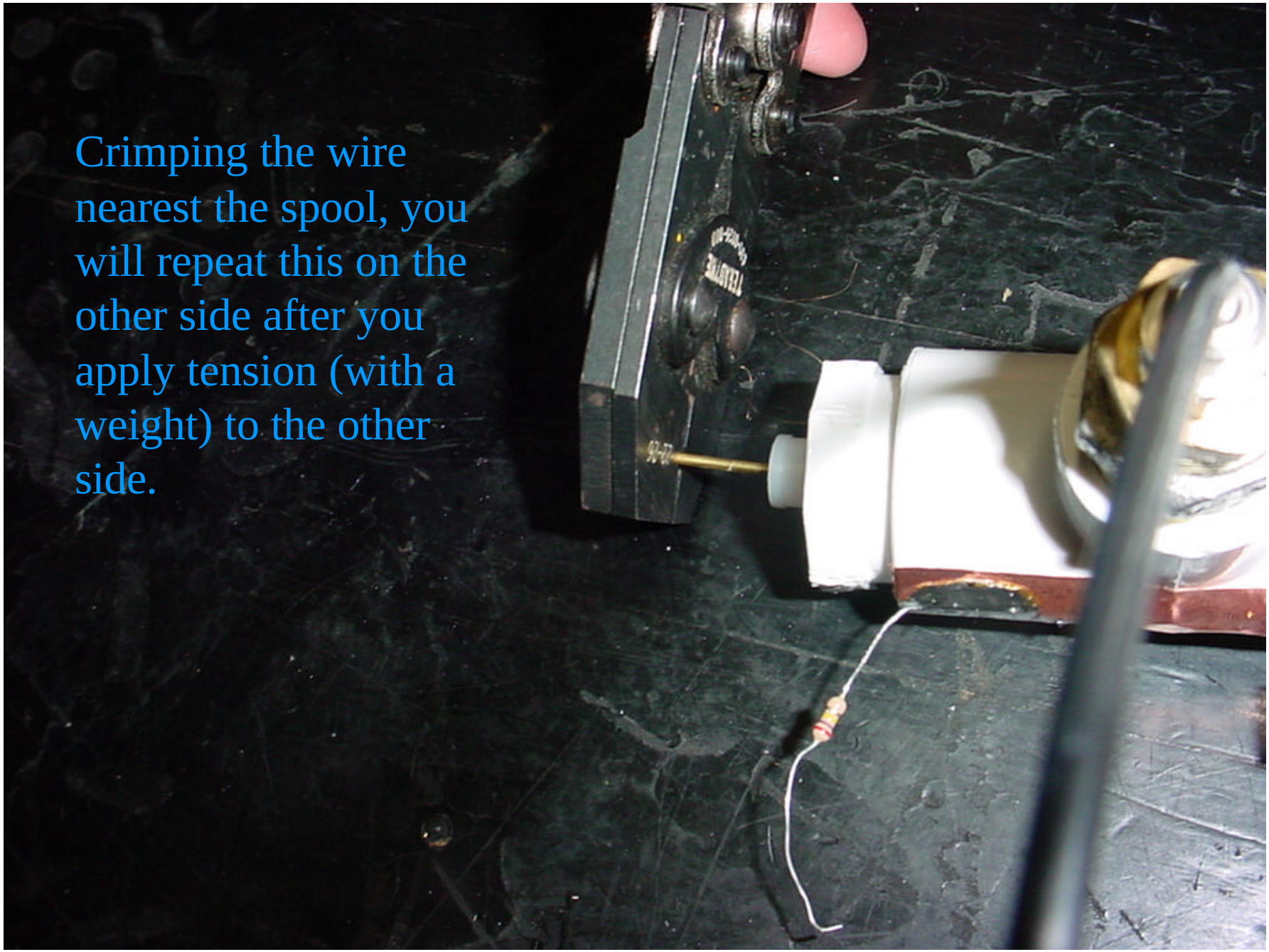
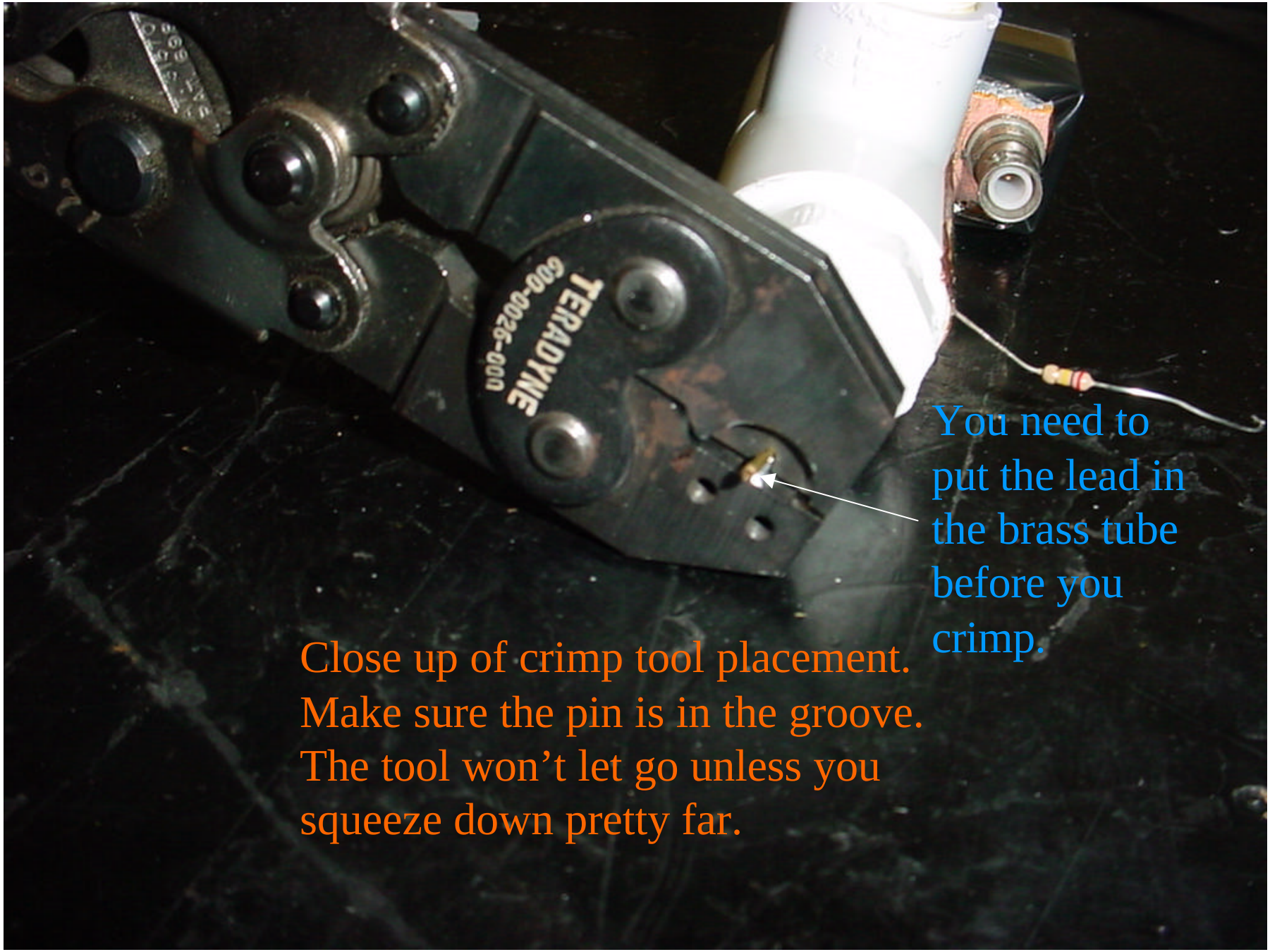
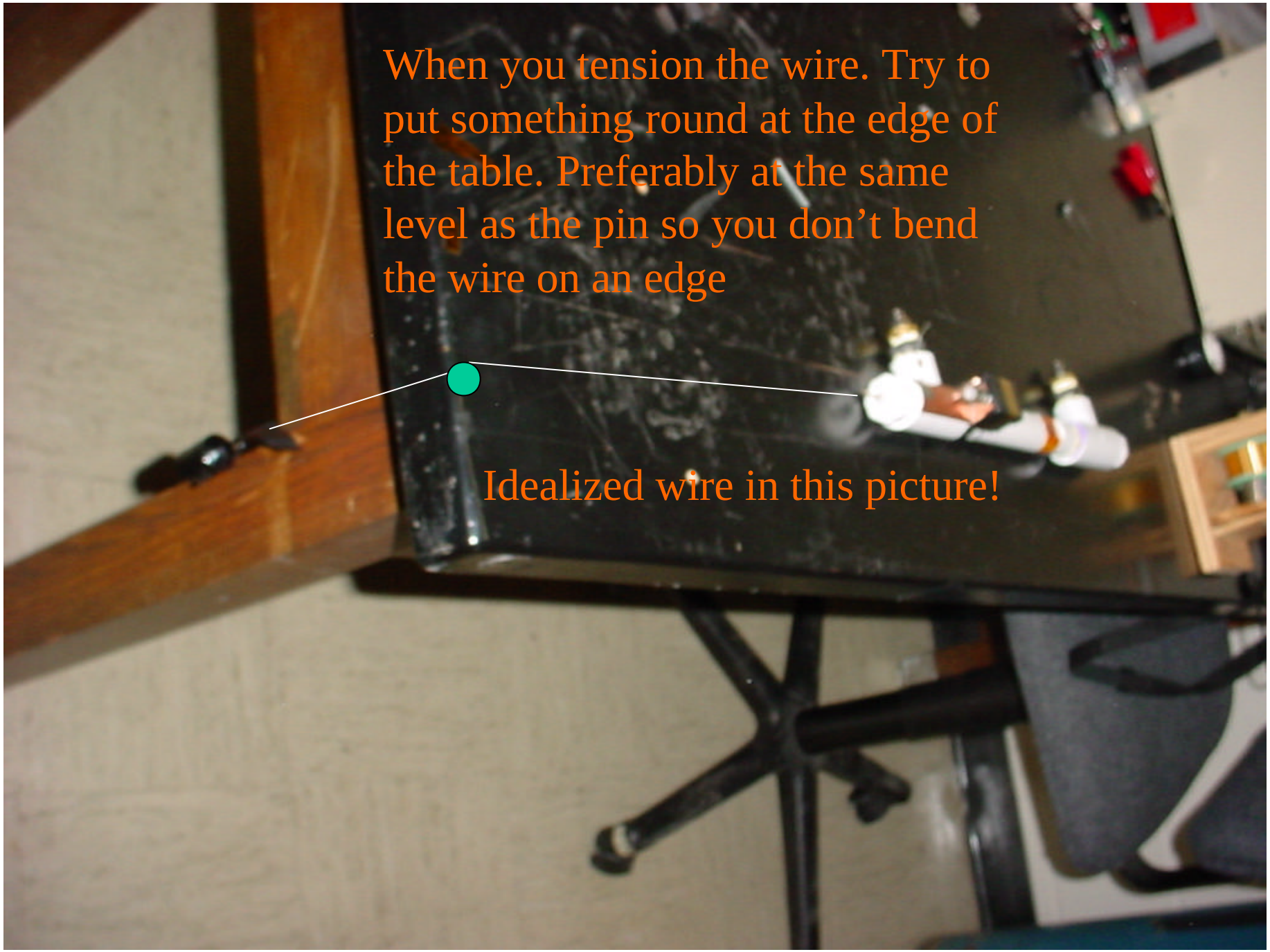

Brass
Pin
High Voltage
connector
Endcap
The wire is the thin white line, and we have strung it all the way through before replacing the end caps.


Crimping the wire nearest the spool, you will repeat this on the other side after you apply tension (with a weight) to the other side.



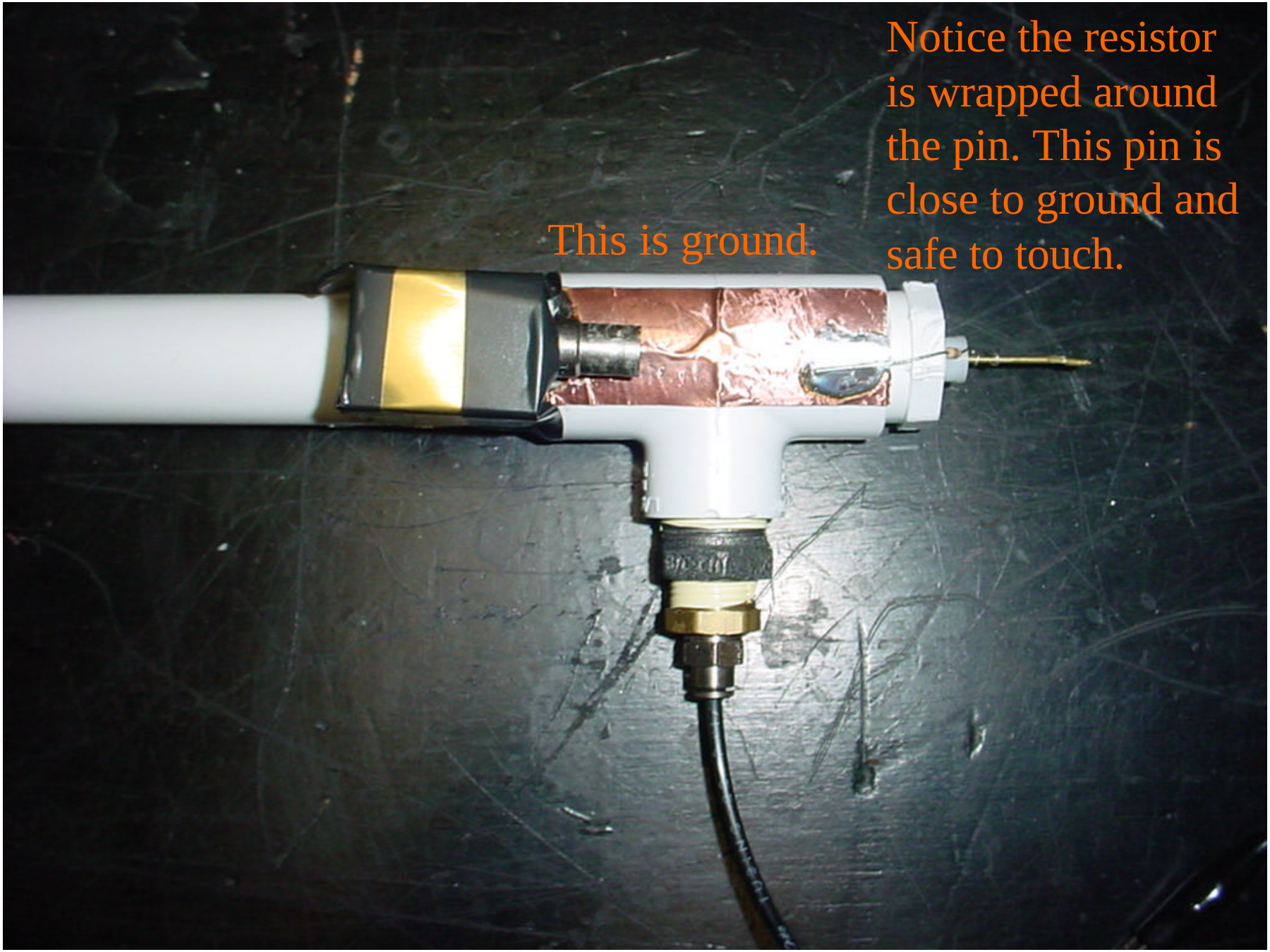
You need to put the lead in the brass tube before you crimp.

Close up of crimp tool placement. Make sure the pin is in the groove. The tool won't let go unless you squeeze down pretty far.

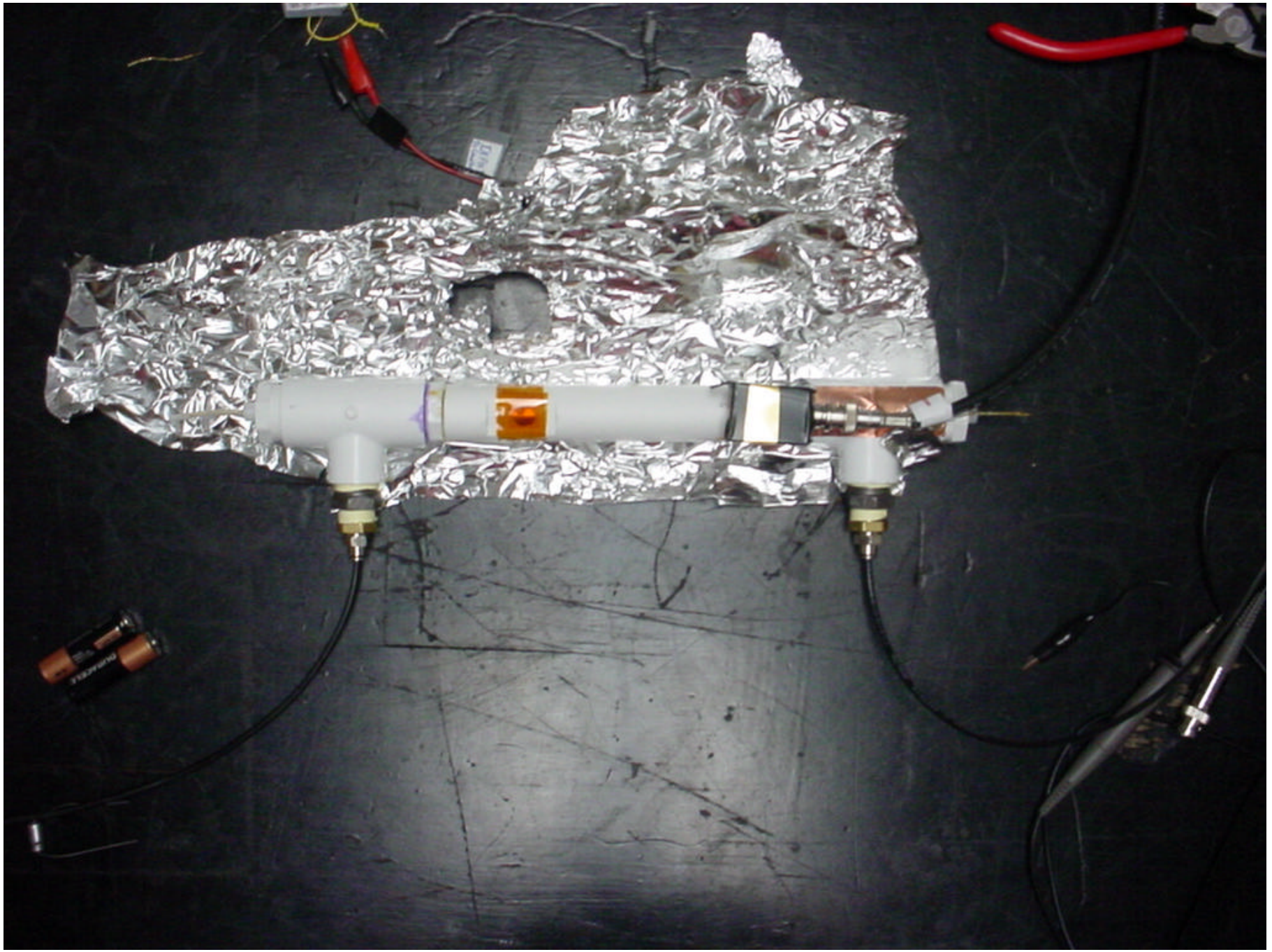

When you tension the wire. Try to put something round at the edge of the table. Preferably at the same level as the pin so you don’t bend the wire on an edge
Idealized wire in this picture!

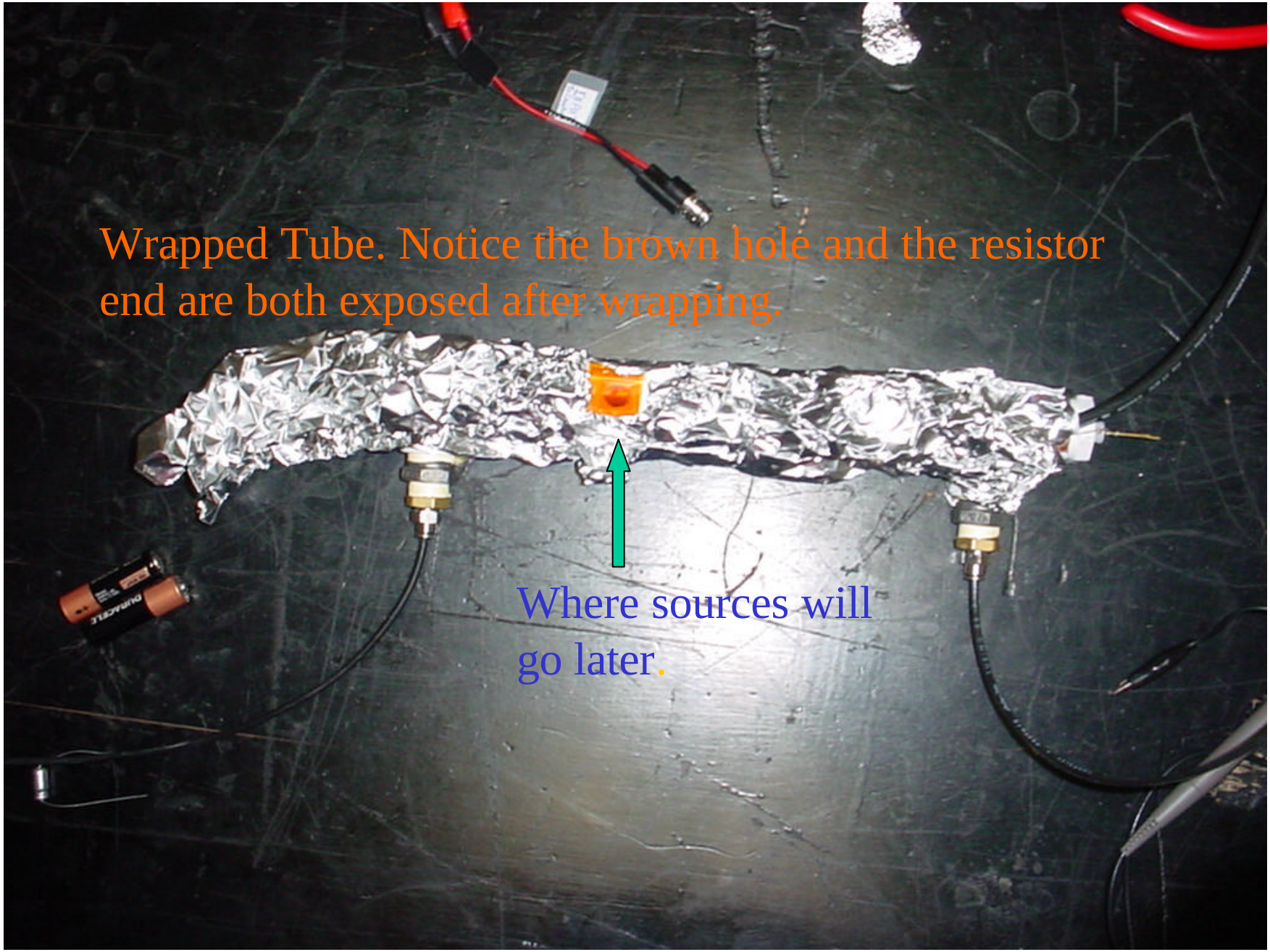
It can be easier just
to tape the wire
around the weight.

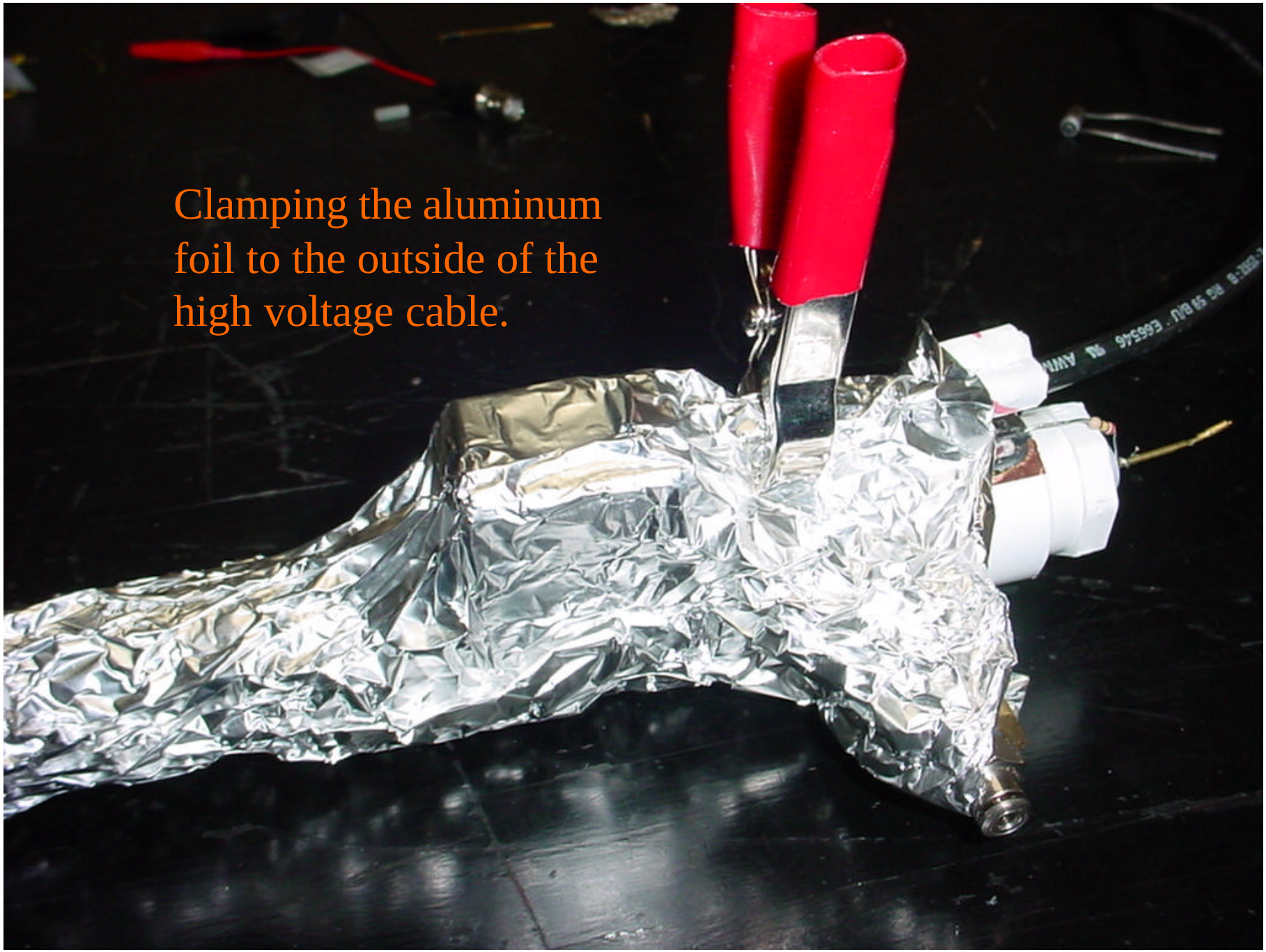
We’ve insulated this pin so it doesn’t short to the aluminum foil.
Gas line is connected!


Notice the resistor is wrapped around the pin. This pin is close to ground and safe to touch.
This is ground.

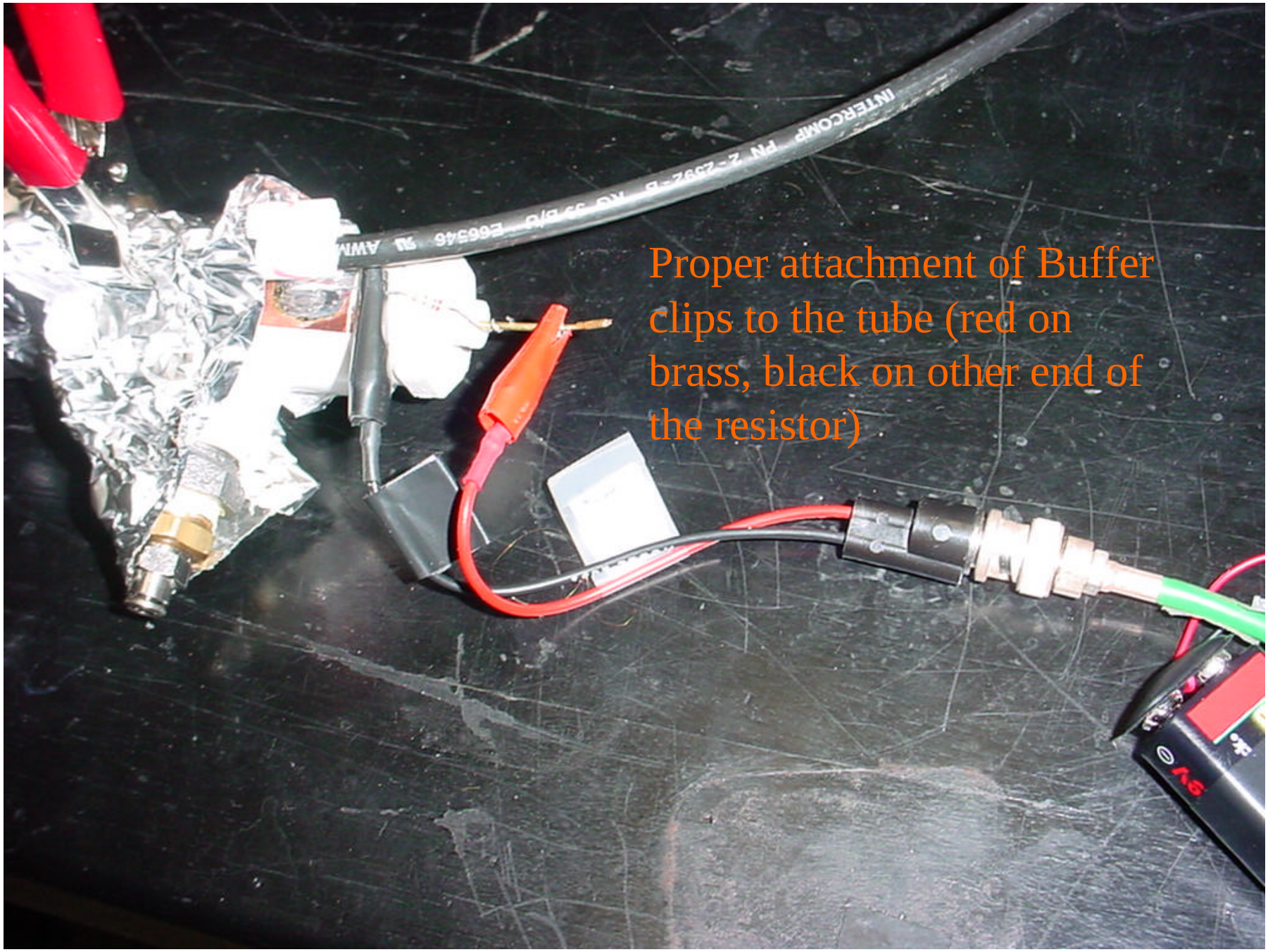
Finished tube, ready for aluminum foil.
High Voltage cable is attached




Wrapped Tube. Notice the brown hole and the resistor end are both exposed after wrapping.
Where sources will go later.

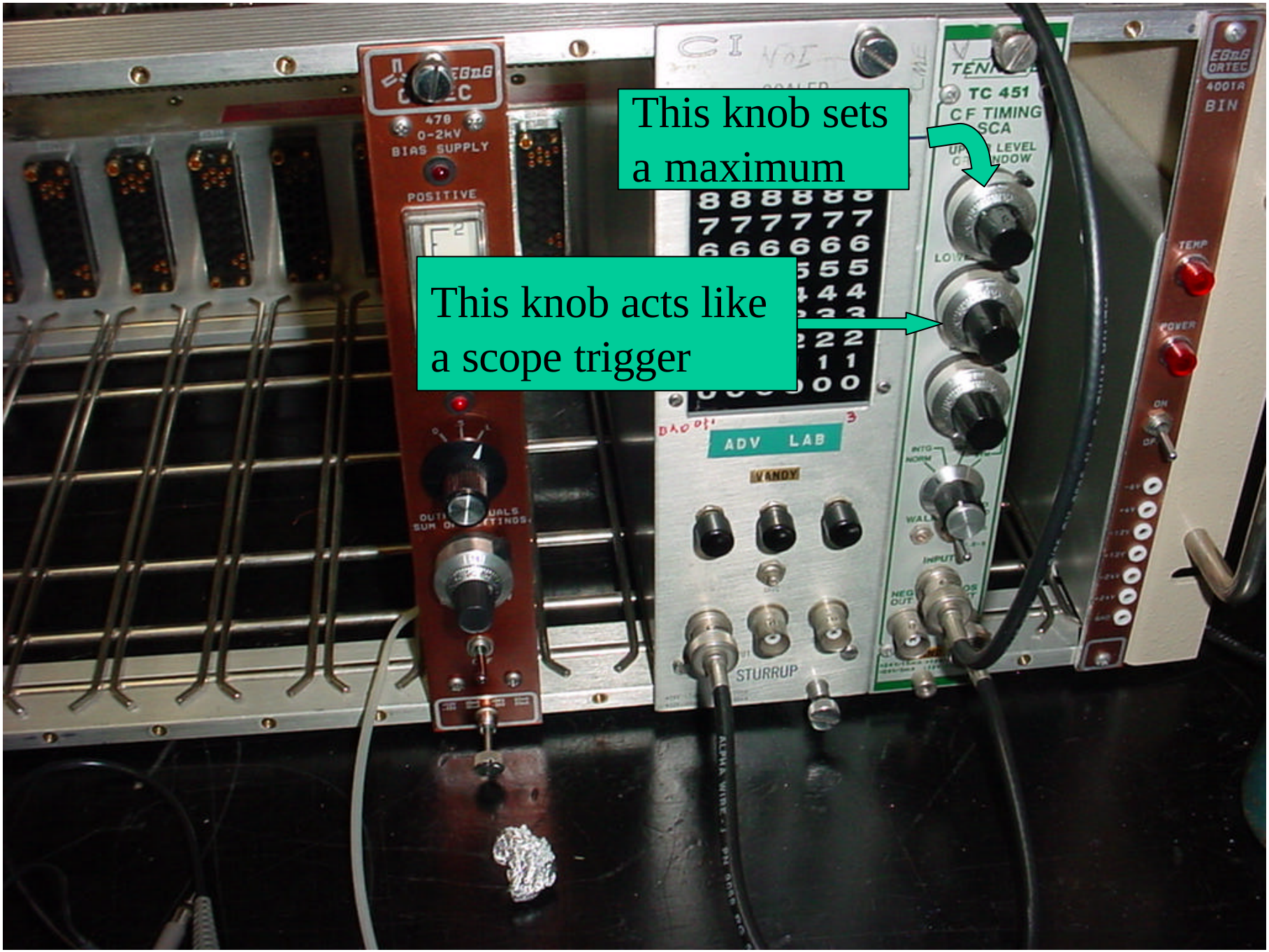

Clamping the aluminum
foil to the outside of the
high voltage cable.

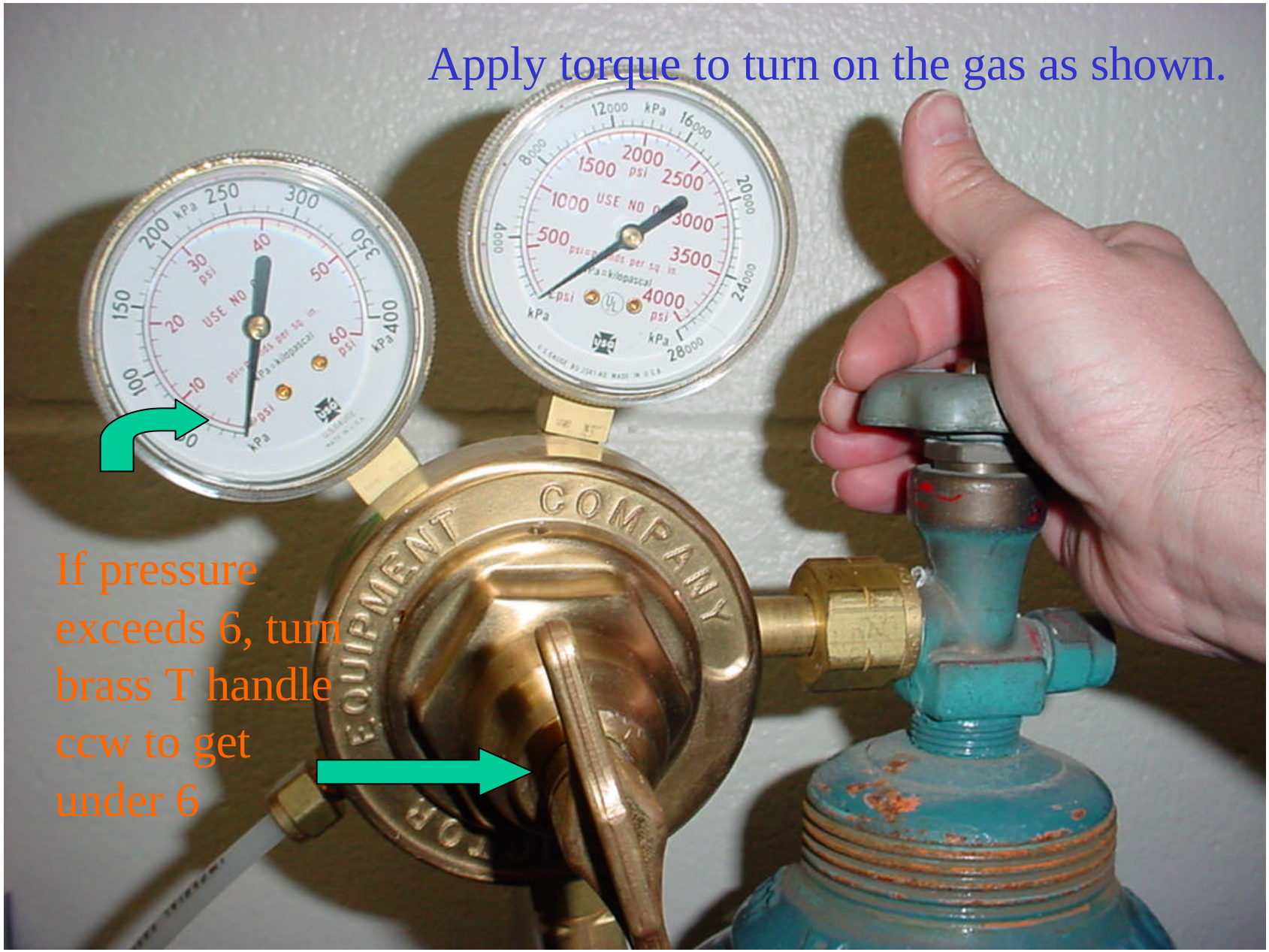
Proper way to connect the scope probe to the tube. The black lead is hooked to the other end of the resistor

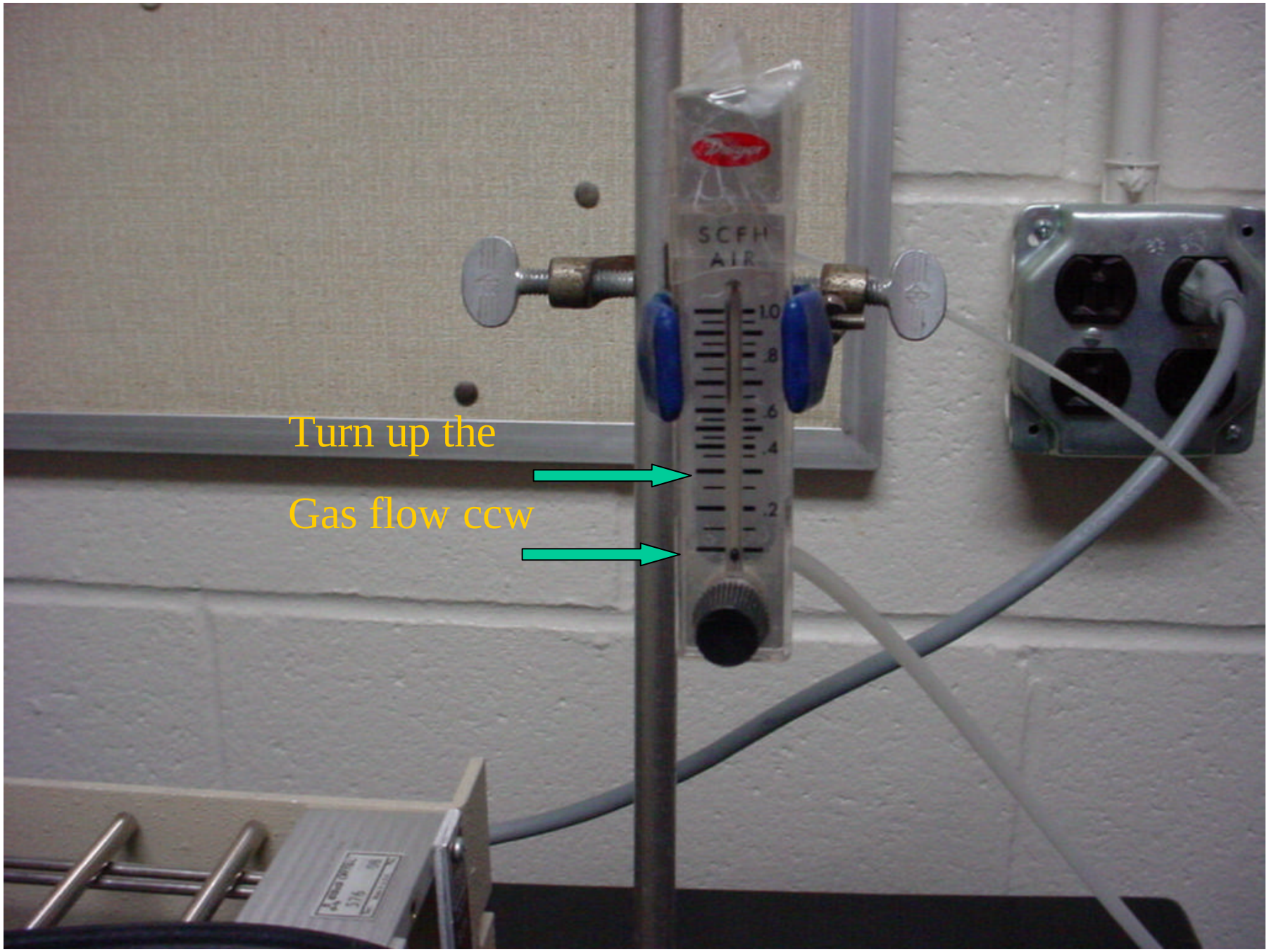

Proper attachment of Buffer clips to the tube (red on brass, black on other end of the resistor)

To tube
To SCA
Buffer with batteries hooked up and all cables attached

Cable from Buffer




Apply torque to turn on the gas as shown.
If pressure exceeds 6, turn brass T handle ccw to get under 6
EQUIPMENT COMPANY


Turn up the
Gas flow ccw
SCFH
AIR
1.0
.8
.6
.4
.2